

Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

S H I N E R C A C T U S N U R S E R Y
Box 2. Laredo, Texas.

RETAIL LIST for Collectors of Rare Plants, compiled from Volumes 1, 2, 3, 4 of "The Cactaceae" by Britton and Rose, the world's recognized encyclopedia on cactus.

The family Cactaceae is made up of 3 tribes--Pereskieae, Opuntieae and Cereeae. Nursery species here offered are listed in order and as numbered in the 4 volumes. Missing numbers are unobtainable, are of no special interest or are under propagation for later listing.

Volume 1 of "The Cactaceae" treats of Pereskieae and Opuntieae. Pereskias are climbing vines or trees, native only in the tropics (excellent grafting stock). We are propagating many species of Opuntia but list only a few of the most desirable, selections being made of those outstanding for oddity of form in collections or for hardiness and striking appearance in rock gardens.

TRIBE 2. OPUNTIEAE.

3 Nopalea-7 species-tropics-grown as ornamentals.

1 cochenillifera-spineless-quick growing-flowers freely-fl. red-illustrated on Mexican money-most satisfactory species-15,35,75

4 auberi-S.Mex.-forms trunk-few if any spines-odd form-- .25

5 dejecta-Panama-definite trunk-very spiny-joints narrow- 15,35

7 inaperta-Yucatan-branched-spiny-bright green-very good- 15,35

6 Opuntia- of 3 subgenera-Cylindropuntia, Tephrocactus and Platyopuntia-Canada to S. South Amer-numerous species-very diverse.

Subgenus 1. Cylindropuntia.

3 leptocaulis-S.Tex-miniature yellow spined tree-pencil type-forms many red fruits during winter season-hardy- 10,25

26 imbricata-Colo. to S.Mex-treelike-hardy-red flowers-rock garden-15,35,75 up

30 fulgida-Ariz.Mex-strongly tuberculate-sp. yellow-fl. rose-- 15,25

41 subulata-S.Amer.-cultivated-unusual-for collections- 15,25 up

44 cylindrica-Ecuador-looks like a Euphorbia-interesting- 25,50

46 invicta-Low. Calif.-clustering type-formidable red spines-

48 schottii-S.Tex-creeper-viciously spined miniature- .10

53 bulbispina-Mex-interesting miniature - very rare- joint- .15

82 repens-West Indies-interesting miniature-new to collectors- .15

83 borinquensis-Porto Rico-for collectors-larger than repens- .15

95 retrorsa-Chaco, Argent.-prostrate-blotched with purple-rare- .25

103 antillana-West Indies-small jointed-quick growing--rare- .20

105 decumbens-S.Mex-cobweb like wool on young joints-very rare- .25

109 basilaris-Calif.-gray green with purple-large purple fl.- .25

110 microdasys-Mex-velvety-golden yellow glochids-hardy- 15,25 up

112 rufida-Mex-velvety reddish brown-glochids-attractive- 15,25 up

138 macrocentra-joints purple-long spines-hardy-decorative- 15,25

165 elata-Brazil-joints thick-dark green-spineless-very good- 15,25

170 scheerii-Mex-joints bluish-areoles elevated, brown woolly- S.15

174 dillenii-West Indies-margin undulate-areoles elevated- 15,25

175 linguiformis-odd form-tongue shape-hardy-rock gardens- 15,25 up

178 aciculata-closely set, red brown glochids-unusually attractive species-handsome flowers red to orange- 15,25 up

179 lindheimeri-Laredo-erect variable-fl. orange yellow- 15,25

190 tomentosa-Mex-treelike-hardy-velvety-fl. orange.- 15,25

193 leucotricha-Mex-trunk, joints white bristly-hardy-rock gdn.- 25

196 ficus-indica-erect-treelike-joints grow very large-semi-spineless-tunas are edible fruits- 10,25 up

216 fragilis-N.States-hardy miniature-of wide distribution- 15

217 arenaria-attractive miniature-white bristles-red flowers- 15

218 tricophora-low spreading-white bristles-very hardy- 25

219 erinacea-of wide distribution-variable-joints long hairy white to purple-fl. large red or yellow-hardy-rock gdns.-- 20,35

224 polyacantha-Colo-white spines-red flowers-hardy-rock"" -- 20,35

232 spinosissima-Consoulea-erect with trunk-elevated areoles-very attractively illust. in Vol. 1 B&R. Seedlings 15,25

236 brasiliensis-S.Amer.-most interesting miniature tree 15,25 up

Note:-Abbreviation "S" refers to Seedlings 1,2,3,4 or more years old. Where "S" is not used reference is made to Plants.

Kindly list several substitute species with each order.

WORLD'S RECOGNIZED ENCYCLOPEDIA ON COTTON

Volumes 1, 2, 3, 4 of "The Gossypium" by Hutton and Rose, the

RETAIL LIST for Collectors of Rare Plants, compiled from

The family Geotaceae is made up of 3 tribes--Pentasticeae, Crantziaceae and Geotaceae. Numerous species were offered and listed in order and as numbered in the 4 volumes. Missing numbers are undetermined and are of no special interest or are under propagation for later listing.

and striking appearance in rock gardens, those outstanding for ability of form in collections or for hardness but list only a few of the most desirable, selections being made of (excellent existing stock). We are propagating many species of Opuntia Pereskias are climbing vines or trees, native only in the tropics, Volume I of "The Cactaceae" treats of Pereskias and Opuntias.

TABLE 2. - OF UNITS

Opuntia-Canada to S. South America as species-very diverse.
 6 Opuntia- of 3 subgenera-Cylindropuntia, Leptocactus and Pilay-
 7 theberts-Yucca-branched-succulent-bright green-very good- 15, 35
 8 theberts-Panama-definite trunk-very spiny-joint narrow- 15, 35
 9 theberts-Mex-forms trunk-low if any spines-odd form- 15, 35
 10 illustrated on Mexican money-must satisfactory species-15, 35, 35
 11 coccinellifers-spineless-dark growing-flowers freely-11, red-
 12 theberts-7 species-tropics-grown as ornamentals.

Se imbricata-Ohio. to S.Mex-freelike-bract yellow
Forms many red bracts during winter season-bract
to 25

3 leptocaulis-S.Tex-minutistyle yellow against tree-pencil type-

Sagehen I. Cylindropuntia.

44 cylindrica-Bombardor-looks like a Euphorbia-interesting- 25, 50
41 undulata-B. Amer.-cultivated-unusual-for collection- 15, 25 no
30 fulgida-Amer. Mex+strongly tuberculata-sp yellow-fl. rose- 15, 25
took garden-15, 25, 75 no

[illegible][illegible]

108 elata-Royal-
109 macrantha-joints purple-long spines-fairy-decorative-
110 rubra-Mex-velvety reddish brown-globula-attractive-
111 microbachne-Mex-velvety golden yellow globula-hardy-
112

178	scutellata - closely set, very brown, blackish - brownish	15.25 up
175	linguliformis - odd form - tongue shape - hairy - rock gardens -	15.25 up
174	affinis - West Indies - margin undulate - areoles elevated -	15.25
170	schrenkii - Mex - joints bluish - areoles elevated, brown - woolly -	15.25

198	<i>Leucostictis</i> -Mex trunk, joints white distiv-patty-rock atp.	15, 25 up
199	<i>Tomentosa</i> -Mex-velvety-like-patty-velvety-fl. orange	15, 25
200	<i>Lindheimeria</i> -vario-eyed variable-fl. orange yellow	15, 25
201		15, 25 up

199. *Fraxino-erect*-jointed-grow very large-
10.25 up
10.25 up
10.25 up
10.25 up

234	<i>Polycanthus</i>	Colo-white spines-red flowers-hardy-rock	20, 35
235			
236			
237			
238			
239			
240			
241			
242			
243			
244			
245			
246			
247			
248			
249			
250			
251			
252			
253			
254			
255			
256			
257			
258			
259			
260			
261			
262			
263			
264			
265			
266			
267			
268			
269			
270			
271			
272			
273			
274			
275			
276			
277			
278			
279			
280			
281			
282			
283			
284			
285			
286			
287			
288			
289			
290			
291			
292			
293			
294			
295			
296			
297			
298			
299			
300			

Abbreviation "G" refers to Geophila 18.24 or more years old.

Kindly list several substitute species with each order.

VOLUME 2. "THE CACTACEAE".

Tribe 3. CEREEAE.

This tribe contains most of the genera and three fourths of the species of Cactanae.

Subtribe 1. of 38 genera.

CEREANAE.

- 17 *Cereus*-24 species ranging from eastern S.America to Argentina, Mostly upright, tall, generally much branched, areoles spiny, more or less short woolly, flowers white or red, *Cereus* means torch, referring to the candelabrum like branching of many species.
 - 1 hexagonus-W. Indies-S. Amer.-favorite-blooms freely-S. 15, 25, 35
 - 3 alacriportanus-S. Brazil, Paraguay-young areoles woolly-S. 35, 50
 - 5 jamacaru-Brazil-ribs 4-6; blue-popular species-quick. S. 25
 - 1 " monstrosus-odd irregular form-most desirable- S. 35, 50
 - 6 tetragonus-Brazil-ribs 4-5; white felted-branches readily-S. 15, 25
 - 8 zanthocarpus-Paraguay-tall-branched-areoles white woolly-S. 35, 50
 - 13 peruvianus-S. Amer.-treelike-branched-ribs 6-9-popular-S. 10, 35, 75 and up.
 - " monstrosus-from seeds of monstrose plants-irregular-S. 25, 35
- 19 azureus-Brazil-bluish-areoles gray woolly-white spines- S. 35
- 20 chalybaeus-N. Argentina-seedlings very woolly-rarest- S. 25, 35, 50
- 2 *Monvillea*-7 species, all S. Amer. slender, branching, seed available only recently. Seedlings therefore rare in collections.
 - 3 spagazzinii-Chaco territory, Argent.-strongly 3 ribbed- S. 20, 35
 - 4 phatnosperma-Porongo, Paraguay-4 or 5 ribbed, rounded S. 20, 35, 50
- 3 *Cephalocereus*-48 species from Fla. to Mex. Brazil, Ecuador. Mostly columnar, erect. All form abundance of wool or stiff white hairs.
 - 1 senilis-Mexico-"Old Man of the Mtn"-long white hairs-S. 25, 50, 1.00
 - 2 hoppenstedtii-S. Mex.-grows to great size-white haired- S. 35, 50
 - 6 macrocephalus-S. Mex-stout white haired giant-rare- S. 20
 - 8 polylophus-E. Mex.-white felted-attractive seedlings- S. 25, 35
 - 9 euphorbioides-Brazil-columnar-white felted-jet spines- S. 25, 35
 - 10 russellianus-Venez. Colombia-fastest growing-long wool-S. 25, 50, 75
 - 18 keyensis-Fla.-erect-bluish green-stout-white wholly- S. 15, 25, 35
 - 22 arrabidae-Brazil-low-much branched-areoles long haired- S. 35, 50
 - 30 chrysacanthus-S. Mex-spines golden-densely white haired-S. 25, 50, 75
 - 35 royenii-W. Indies-yellow spines-areoles soft woolly, S. 20, 35
 - 37 cometes-Mex-gray-flowering areoles yellow woolly- S. 20, 35, 50
 - 40 palmeri-E. Mex.-seedlings yellow spined-soft woolly- S. 20
 - 43 colombiands-N.W. Colombia-areoles spiny-long white wool- S. 35
 - albispinus-Curacao-columnar-branches woolly.- S. 25
- 4 *Espositoa*-N. Peru, Ecuador-areoles strongly spined, bearing long white silky wool, rarest of all cerei. Seedlings for release later.
- 6 *Stetsonia coryne*-N.W. Argentina-forms many branched tree-rare-S. 20, 35
- 7 *Escontria chiotilla*-S. Mex-bright green-branching-edible fruit S. 15, 25
- 9 *Pachycereus*-10 species-very large growing-Mexico to Yucatan-
 - 1 pringlei-Sonora, L. Cal.-treelike very stout-seedlings quick-- S. 25, 50
- 3 *pecten-aboriginum*-Mex-L. Cal.-large tree, branched-rare-S. 25, 35, 50
- 6 *chrysomallus*-Mex-massive columnar-S. most attractive-rare-S. 25, 35, 50
- 7 *marginatus*-Mex-organo-used for fences in Mex-not spiny, very popular-Plants 1.50, 2.50 up. S. 25, 50, 75
- 34 01 *tetetzco*(perhaps *columna-trajana*) Mex.-bright green-yellow spined--quick growing- S. 15, 25
- 10 *Leptocereus quadricostatus*-Porto Rico-dark green-4 ribs-good-S. 25, 50
- 12 *Lemaireocereus*-21 or more species-mostly large, tall, branching- from S. Ariz. to Cuba, Peru, Venezuela.
 - 1 hollianus-S. Mex-branch from base-bristly species-good S. 15, 25, 35, 50
 - 2 hystrix-W. Indies-treelike-nice stout, rooted cuts- -- 2.50, 3.50
 - 3 griseus-eburneus-S. Amer-Mex.stout tree-8-10-ribs.fl.pink.S. 15, 25
 - 4 pruimosus-Mex-ribs 5-6; very high-spines few-treelike S. 15, 25.
 - 7 chichipe-Puebla, Oaxaca-tree-much branched-9-12 ribs- S. 20
 - 8 chende-Puebla, Mex.Oaxaca-different-short trunk-branched.S. 15, 25
 - 12 treleasei-Mitla, Mex-short spines-yellow-grows-straight-seldom branches- used for fences. S. 15, 25
 - 13 deficiens-Venezuela-treelike-erect-branches-hedge plant- S. 25
 - 14 weberi-Puebla, Oaxaca-"candelabrum" branched giant- S. 25, 35, 50
 - 15 queretaroensis-Central Mexico-short growing-much branched S. 25, 35
 - 17 thurberi-L. Calif-Ariz-branches from base-becoming very rare Rooted cuts- 1.50 up S. 15, 25, 35
- 21 *dumortieri*-Cent. Mex-tree like-attractively spined S. 15, 25
- de Toliman-Mex. - - - - - 15, 25
- de Mixteca- Mex. - - - - - 15, 25
- de Amihuatlan- Mex. - - - - - 15, 25

This tribe contains most of the genera and three fourths of the species of Cactaceae.

Subtribe 1. of 38 genera.

CEREANAE.

- 1 Cereus-24 species ranging from eastern S. America to Argentina. Mostly upright, tall, generally much branched, areoles spiny, more or less short woolly, flowers white or red, Cereus means torch, referring to the candlestick-like branching of many species.
- 1 hexagonus-W. Indies-2. Amer.-favorite-plant like branching of many species. 2.55, 35
- 3 alaciportanus-2. Brazil, Paraguay-young areoles woolly-2. 35, 50
- 5 jamaicensis-Brazil-ribs 4-6; blue-popular-species-quick. 2.25
- " monstrosus-odd irregular form-most desirable- 2.35, 50
- 6 tetragonus-Brazil-ribs 4-5; white felted-branched readily-2.15, 25
- 8 santhocarpus-Paraguay-tall-branched-areoles white woolly-2.35, 50
- 13 peruvianus-2. Amer.-tree-like-branched-ribs 6-9-popular-2.10, 35, 75 and up.
- " monstrosus-from seeds of monstrose plants-irregular-2.25, 35
- 19 aureus-Brazil-pluish-areoles gray-woolly-white spines- 2. 35
- 20 chalybeus-N. Argentina-seedlings very woolly-rare- 2.25, 35, 50
- 2 Monvillea-7 species, all 2. Amer. slender, branching, seed available only recently. Seedlings therefore rare in collections.
- 3 apogonius-Chaco territory, Argent.-strongly 3 ribbed- 2. 20, 35
- 4 phanospinus-Porongo, Paraguay-4 or 5 ribbed, rounded 2. 20, 35, 50
- 3 Cephalocereus-48 species from Rio to Mex. Brazil, Ecuador. Mostly columnar, erect. All form abundance of wool or stiff white hairs.
- 1 senilis-Mexico-"Old Man of the Mtn"-long white hairs-2.25, 50, 1.00
- 2 hoppenstedtii-2. Mex.-grows to great size-white haired- 2.35, 50
- 6 macrocephalus-2. Mex.-stout white haired giant-rare- 2.20
- 8 polyophus-E. Mex.-white felted-attractive seedlings- 2.25, 35
- 9 euphorbioides-Brazil-columnar-white felted-jet spines- 2.25, 35
- 10 russellianus-Venez, Colombia-tallest growing-long wool-2.25, 50, 75
- 18 keyensis-Fla.-erect-pluish green-stout-white wholly- 2.15, 25, 35
- 22 arborescens-Brazil-low-much branched-areoles long haired- 2.35, 50
- 26 chrysacanthus-2. Mex.-spines golden-tensely white haired-2.25, 50, 75
- 35 rosenii-W. Indies-yellow spines-areoles soft woolly. 2. 20, 35
- 37 cometes-Mex.-gray-flowering areoles yellow woolly- 2. 20, 35, 50
- 40 palmeri-E. Mex.-seedlings yellow spined-soft woolly- 2. 20
- 43 colombianus-N. W. Colombia-areoles spiny-long white wool- 2. 35
- alpinus-Curacao-columnar-branched woolly. - 2. 25
- 4 Eupator-N. Peru, Ecuador-areoles strongly spined, bearing long white silky wool, rarest of all cacti. Seedlings for release later.
- 6 Stetsonia corymb-N. W. Argentina-forms many branched tree-rare-2.20, 35
- 7 Escobaria chicalilla-2. Mex.-bright green-branched-edible fruit 2.15, 25
- 9 Pachycereus-10 species-very large growing-Mexico to Yucatan-
- 1 prinoides-Sonora, L. Cal.-tree-like very stout-seedlings quick- 2.25, 50
- 3 pecten-sporigium-Mex-L. Cal.-large tree, branched-rare-2.25, 35, 50
- 6 chrysomallus-Mex-massive columnar-2. most attractive-rare-2.25, 35, 50
- 7 marginatus-Mex-organo-used for fences in Mex-not spiny. 2.25, 50, 75
- very popular-Plants 1.50, 2.50 up.
- tetrazo(perhaps columns-trunks) Mex.-bright green-yellow spined-quick growing- 2.15, 25
- 10 leptocereus quadriceatus-Porto Rico-dark green-4 ribs-good-2.25, 50
- 12 lemaireocereus-21 or more species-mostly large, tall, branching from S. Asia to Cuba, Peru, Venezuela.
- 1 holianus-2. Mex.-branch from base-bristly species-good 2.15, 25, 35, 50
- 2 hyattii-W. Indies-tree-like-nice stout, rooted cuts- 2. 50, 3. 50
- 3 griseus-sprunus-2. Amer.-Mex.-stout tree-8-10-ribs fl. pink 2.15, 25
- 4 pruinosa-Mex-ribs 5-6; very high-spines few-tree-like 2.15, 25
- 7 chichipe-Puebla, Oaxaca-tree-much branched-9-12 ribs 2. 20
- 8 chenda-Puebla, Mex.-Oaxaca-different-short trunk-branched 2.15, 25
- 12 treleasei-Mila, Mex.-short spines-yellow-grows-straight- 2.15, 25
- seldom branches-used for fences.
- 13 delicianus-Venezuela-tree-like-erect-branched-hedge plant- 2.25
- 14 weberi-Puebla, Oaxaca-"candelabrum" branched giant- 2.25, 35, 50
- 15 guerevianensis-Central Mexico-short growing-much branched 2.25, 35
- 17 thurberi-L. Calif.-Ariz-branched from base-becoming very rare Rooted cuts- 1.50 up. 2.15, 25, 35
- 21 humoieri-Cent. Mex.-tree like-attractively spined 2.15, 25
- 26 Toliman-Mex. - - - - - 15, 25
- 26 Mixteca-Mex. - - - - - 15, 25
- 26 amnustian-Mex. - - - - - 15, 25

- 16 Wilcoxia- 4 species, Texas and Mexico-slender, branched stems, day flowering large red or purple, -tuberous rooted best grafted.
- 1 viperina-S. Puebla, Mex.-branches velvety, flowers red- S.25
- 2 poselgeri-Tex. and Coahuila-slender, erect, branching-- a miniature of a giant cereus-fl. purple-best grafted on Acanthopentagonus. Grafted specimens, .75 Plants 15, 25, 50
- 3 striata-Sonora, L. Calif.-spines appressed, fl. purple S. 20
- 17 Peniocereus greggii-Tex-Mex. to Ariz. true desert Night Bloom Cereus-large fragrant white flowers-good grafted-Plts 75, S. 25
- 19 Machaerocereus gummosus-L. Calif. rarity-stout, spiny, branches S20, 35
- 20 Nyctocereus serpentinus-Mex.-erect, medium slender, free flowering, easily handled, good grafting stock, - - - - - 25, 50, 75, 1.00
- 22 Acanthocereus genus from about Gulf of Mexico and Caribbean Sea, many jointed, variously angled--
- 1 horridus-Guatemala, strongly 3 winged, shining-Rooted cuts 50, 75
- 3 pentagonus-Gulf of Mexico Night Blooming Cereus-large white fl. blooms freely from cuts-Best grafting stock for all fine flowering species- Plants 20, 35, 75. S. 10
- 23 Heliocereus speciosus-Mex. "Sun Cereus", gorgeous scarlet blooms lasting-among most greatly admired of all cacti-grafted .75
- 24 Trichocereus-19 species, all S. Amer.-columnars-usually very spiny, flowers large, nocturnal. Seedlings attractive
- 2 thelegonoides-N. Argent.-stout, gold spined, very attractive S.25, 35
- 3 spachianus-W. Argent-upright, quick growing, good graft, stock. Rooted cuts 25, 50 and up
- 12 coquimbani-Chile--low branching, short woolly- S.20
- 13 terscheckii-N. Argent. "cardon grande"-giant, branched, rare S.20, 35
- 16 candelarii-Mendoza, Argent.-clumping, fl. very large, fragrant 1.00
- 17 strigosus-W. Argent.-clumping, very spiny, white felted- S. 20
- 26 Harrisia-17 species, Fla.-Bahamas, to Argentina. Night flowering, medium slender, branched, flowers large-fast growers, rooted cuts bloom first year-some grow tall, straight-others need support.
- 1 eriophora-Cuba-bright green-8 or 9 prominent ribs-fl. very large, rosy white.- Rooted cuts .50
- 2 fragrans-Fla.-stout, erect-10 to 12 ridges-fl. fragrant S. 15, 25
- 3 portoricensis-Porto Rico-11 rounded ribs-gold spines- S.20
- 7 simpsonii-Fla.-light green-9 ribbed-fl. very large- S.15
- 11 tortuosa-Argent.-ribs 7, low rounded-bright gr. R. cuts 25, 50, S.10
- 12 pomanensis-Poman, Argent.-4 to 6 angled-bluish-rare S.25
- 13 martinii-Argent.-4 or 5 angled-climbing-large frag. blooms-cuts bloom first year.- 25, 50, 75, S.10
- 16 bonplandii-Brazil-strongly 4 angled-fl. large white-fruit red, edible. Rooted cuts 25, 75, 50, S.10
- jusburtii-perhaps hybrid-ribs 6-spines short- S.20
- regellii-origin uncertain-perhaps similar to martinii S.20
- 28 Carnegiea gigantea-Ariz. giant cereus-stem simple, upright-U.S. most interesting cereus- Plants 1.50, 3.50, 5.00- S.10, 25
- 30 Rathbunia alamosensis-Mex.-West Coast-clustering, red fl. S.25, 35
- 32 Oreocereus-Andes Mtns. S. Amer.-low, erect, clustering-arcoles with long, white hairs-all species not known nor relationships certain-
- 1 celsianus-Bolivia-yellow spines-long white hairs- S.35, 50
- trollii and others later.
- 34 Cleistocactus baumannii-Paraguay-branching, dark green, many ribbed-spines long and varicolored.- S.20, 35, 50
- 36 Lophocereus schottii-Mex. L. Calif.-columnar, flowering branches have long bristly spines, pink flowers-becoming rare- S. 15, 25
- 3 fissuratus-Tex. N. Mex. "Living Rock" Rooted cuts 1.50, 2.50 up
- 37 Myrtillocactus geometrizans-Mex-attractive blue-short spines-quick growing S.15, 25, 35

SUBTRIBE 2. HYLOCEREANAE. 9 GENERA.

Elongated, vinelike, climbing, trailing or pendent, branched cacti, the stems angled, ribbed, fluted, rarely flat, having aerial roots, flowers mostly white, some red or pink.

- 1 Hylocereus-18 species-climbing, often epiphytic, usually 3 angled or 3 winged, flowers very large, nocturnal, West Indies, Cent. America to N. South. Amer.- Name means forest cereus. Good grafted.
- 14 trigonus-Porto Rico-ribs undulate-deep green- S.25, 35
- 15 triangularis-Jamaica-stouter, many jointed, aerial roots 25, 50, 75
- 3 Selenicereus-16 species-E. Mex., Cent. Amer., W. Indies, to Argent. slender climbers, joints ribbed or angled, aerial roots, fl. very large, nocturnal. Grafted plants bloom readily.
- 1 grandiflorus-Jamaica-ribs 7 or 8-numerous whitish hairs- S.25
- 4 hondurensis-Honduras-in winter deep purple-spines short-numerous long white hairs- Root cuts 25, 40

- 5 donkelsarii-Yucatan-slender-spines appressed-woolly-rare-
 6 pteranthus-Mex-stems stout-4 to 6 angled-fl. large-good
 grafting stock-
 10 macdonaldiae-Honduras-"Queen of the Night" largest flowers-25,40
 11 hamatus-Mex-bright green-4 angled, spurred tubercles-fine-25,40
 12 vagans-Mex-Mex-free bloomer-hardy-Root, cuts 25,40 S. 10
 13 murillii-Colima,Mex-slender, dark green-rids purplish
 14 spinulosus-Mex-light green, shining-spines very short-R. cuts 25,40
 4 Medicocactus coccineus-(hasleri) Brazil-climber-suggest grafting
 very fine flowers- among largest known-
 8 Aporeocactus flagelliformis-Mex-"rat tail" widely cultivated-
 best grafted- Cuts for grafting 15 Root cut - 25

VOLUME 3 "THE CACTACEAE". TRIBE 3. CEREANAE.

SUBTRIBE 3. ECHINOGEREANAE.

- Of the 6 genera-Echinocereus, Astrocactus, Rebutia, Chamaecereus,
 Indivia and Tchinopais--all are S. American except Echinocereus.
 1 Echinocereus--60 species-plants low, grow singly or in clumps-
 flowers usually large, crimson, scarlet, purple or yellow-
 found from Wyoming and Utah South to the City of Mexico.
 1 helaseti-Mex-plants hidden by long curled white hairs-25,75 up
 6 mojavensis-Mex to Utah-hardy clumping species-crimson fl. 25,35
 8 triglochidatus-W. Tex to Colo.-hardy-stout-scarlet-fl-25,50,75
 20 chloranthus-Texas-cylindrical-attractively colored spines-
 21 viridiflorus-Tex to Dakota-hardy-red spines-green flowers 25,50
 22 papillosus-S. Tex-rare, interesting-very large yellow fl.-25,50,75
 26 planckii-S. Tex-rare-recently relocated-very large rose fl.-15,25
 27 pentastichus-S. Tex-slender-fingers-for hanging baskets-deep
 pink bloom, light centers-formerly perlandieri-
 33 reichenbachii-var caespitosus-white-lace-large pink blooms-20,35
 34 baileyi-Ola-hardy-rose purple blooms-simple and clumps- 20,35
 35 rigidissimus-Ariz-tine rainbow-bands of rose color-rose fl. 25,50
 38 fitchii-S. Tex-red brown spined-large rose blooms at Easter-15,25
 42 knipfelianus-Mex-rare and unusual-good grafted-not spiny 2,25
 48 merckii-Mex-many jointed-spines shining-fl. rose- 2,15
 49 fendleri-Utah,Mex-rids prominent-spines vary-fl. rose- 2, 10,20
 52 engelmannii-S. Cal.-erect, clumping-spines yellow-fl. purple 20,35
 54 dubius-S. Tex-small to large clumps-fl. handsome rose purple-
 hardy for rock gardens-Display clumps 1.00, 2.50 Fls 15,35,50
 4 Chamaecereus sylvestris-Tucson, Ariz-slender, light green joints-
 soft spined-flowers orange scarlet-best grafted on Acantho-
 pentagonus-grows fast-most attractive-hardy-
 6 Echinopais-S. Amer.-hardy-low to large columnar-large flowers
 on long stems-white, pink, rose, yellow-unnamed--
 6 multipler-S. Brazil-globular-areoles large-fl. rose- 2,25,50
 9 turbinata-gemmata-Arizona-flowers odor of Jasmine- 2,25,50
 20 leucanthus-W. Ariz-areoles close-spines curved-fl. purple 2,
 25 aurea-Coroba, Ariz-areoles brown woolly-fl. large yellow 2,50,75

SUBTRIBE 4. ECHINOCACAEAE.

- Of 28 genera, both North and South America.
 1 Denmorea rhodocantha-Mex-areoles felted-a rarity 2,25,50
 2 arborescens-N. Mex-Tex-6 or more species-spinesless-flat or round
 top-tubercles horny, triangular-fl. white to purple-
 1 retusus-San Luis Potosi-globular-woolly center-very rare 2,
 2 kotachubayanus-C. Mex.-flat crown-thick roots-one of forest 2,20
 3 fissuratus-Tex,N. Mex-"Living Rock" large rose blooms-odd 20,35,50
 trigonus-Mex very rare-a curio among plants-
 20 pergonis denegrii-not described in B. & R.-rare & curious-
 3 lophophora williamsii-"peyote"-Tex-Mex-curious globular-pink fl.
 used for centuries in Indian ceremonies-curious-
 7 epithelanthus-Tex-Mex-small globular-flowers from center, pink.
 1 micromeris-button cactus-oddy-close white spines-
 2 greggii-very similar to micromeris but distinct-larger-
 12 hamatocactus setispinus-S. Tex-pretty yellow-fl. yellow & red-
 15 Echinocactus setispinus-25 or more species-all Mexico-all rare-
 3 multicastratus-rids 100 or more-thin wavy-fl. deep violet- 2,20
 14 pentacanthus-rids 25 or more-fl. large deep violet- 2,15
 15 tricuspidatus-many ribbed-attractive close spines- 2,20,35

- 16 Ferocactus-globular to cylindric-often large-"fierce-cactus"
 30 species-all North American. Seedlings attractive.
- 2 pringlei-red spines-white hairs-Mex-handsome-rare- S. 10, 20, 35
 4 townsendianus-Gulf of Calif-often spiraled-quick growing S.15, 25
 6 wislizeni-Tex-Mex-hardy-many ribbed-radials thread-like- S.15
 "barrel" Show plants 1.00, 1.50, 2.50
- 8-9 lecontei & acanthodes-Ariz-spines pink to rose-"Flame Ball"
 most colorful of all species- Plants 35, 75, 1.50 S. 15
- 12 covillei-Ariz-Mex-very distinct-rare in collections- S.15, 25
 19 glaucescens-Cent.Mex-yellow spined-quick growing-good- S.10, 20
 21 melocactiformis-electracanthus-blue green-sp.yellow-odd S.10, 20
 22 macrodiscus-S.Mex-odd form-rare-short cylindric- S. 15
 23 viridescens-Calif-deep glossy green-red spines-good- S.10, 25
 25 nobilis-recurvus-E.Mex-globular-spines recurved-odd- S.10, 20
 28 hamatacanthus-Tex-Mex-ribs strongly tubercled-large
 yellow lasting blooms-fruit juicy, edible Plants 20, 35, 50, 1.00
- 19 Echinocactus-plants very large, thick cylindric, many ribbed-
 tops woolly-fl.-yellow, pink-seedlings attractive- 9 species.
- 1 grusonii-C.Mex-"Golden Cactus"-quick growing-very fine S.25, 50, 75
 3 visnaga-ingens-C.Mex-purplish-plants grow to 1000 lbs- 25, 35
 9 horzonthalonius-Tex-Mex-stout spined, gray-pink flower- 20, 50, 75
- 20 Homalocephalia texensis-Tex-Mex-low globose-strongly ribbed and
 spined-large feathery pink blooms-scarlet fruit-25, 50, 1.00, S.10
- 21 Astrophytum-4 species-Mexican-should be in every collection.
- 1 myriostigma-"Bishop's Miter"-ribs 4 to 8-odd scaly appearance
 no spines-very rare-seedlings are miniatures-S.25, 50, 1.00, 1.50, 2.50
 var columnaris-quite-gray-tall growing-a rarity- S. 25
- 2 asterias-"Sea Urchin"-plant low, rounded-areoles curiously
 felted-spineless-ribs 8-odd and rare-plts. 50, 1.00, 1.50 S. 20
- 3 capricorne-ribs 7 to 8, high, acute, curling-long papery spines-
 S. 25, 50, 1.00, 1.50, Plts. 2.50 up
- 4 ornatum-ribs 8, prominent, acute-fl. large yellow- S. 25, 50, 1.00

SUBSTRATE 5. CACTANAE.

Eastern S. America and West Indies-Discocactus and Cactus.

- 2 Cactus-18 species-plants globular to short cylindric-older plts.
 bear cephalium or "Turk's cap" red spined-rare in collections.
- 6 maxonii-Guatemala-spines rather flattened-odd form- S. 25, 35
 8 broadwayii-West Indies-yellowish green ribs 14-18. S. 25
 9 intortus-W. Indies-attractive species-red sp.-rose fl. S. 25

VOLUME 4. "THE CACTACEAE".

Low cacti, mostly globose-tubercles usually in spirals-N&S Amer.

- 1 Ancistrocactus-Tex-Mex-strongly tubercled, very spiny.
- 2 scheeri-a fishhook but different-rare and attractive- 15, 25, 35
 3 brevihamatus-dark green globular-rose flowers-rare- S. 25
- 20 Thelocactus-Tex-Mex-medium size globulars-spiny-ribs-few.
 very free flowering-flower pink, rose to purple.
- 7 nidulans-gray-seedlings large tubercled-very odd & rare S.50, 75
 11 bicolor-spines highly colored-rose blooms often- 15, 25, 35
- 30 Neolloydia-Tex-Mex-densely spiny-cylindrics-large flowers-7 species.
- 3 horripila-prominent tubercles attractively spined-fl.purple S.25
 7 texensis-globular-sp.white-radials black-flower purple 20, 35
- 5 Cochemiea poseelgeri-L.Cal.-many stems-long curling spines-S. 20, 35
- 6 Coryphantha-37 species-Cent.Mex to S.Canada-fl.yellow-purple-red.
- 1 macromeris-many headed-large tubercles-fl.purple, large. 20
 2 runyonii-tubercles short, gray green-flowers freely, rose 10, 25
 3 ottonis-C.Mex-attractive seedlings-tubercles compressed-S.15, 25
 4 recurvata-spines golden-interwoven-radials recurved-rare-75, 150, S.10
- 15 robustispina-Ariz-Mex-large growing-heavy spines-very rare S.20
 18 nickelsae-N.Mex-globular-interlaced spines-fl. yellow- 25
 sp. from Sabinas, Coah.-plants said to flower rose purple- S.10
- 28 echinus-W.Tex-close white spines-fl.yellow-small-type-good-15, 25
- 37 sulcata-Tex-Okla-rounded plts in clumps-fl.yellow with red 15, 25
- 8 Escobaria-8 species-Mex & S.Tex-globose-interesting clumps.
- 2 dasyacantha-green-flat spined-pink flowers-hardy-W.Texas. 20
 4 runyonii-of many small heads-gray sp.black tips-fl.lavender 10, 20
- 12 Dolichothele-3 species-long tubercles-large yellow fl.-Tex-Mex.
- 1 sphaerica-low growing in clusters-fl.very fine-miniature--10, 20
 2 longimamma-tubercles elongated-rare in collections-S. 25, 50, 75, 1.00

large tuber, red bloom 10, 25

- 14 Neomammillaria-150 or more species from Utah, Nev. to Mex. S. Amer.
 2 rivas-West. India-globosa-yellow apical-axils of spines filled
 with white wool-unusual and rare-
 8 macdonaldii-globular-grows large-deep green-fl. cream-
 9 heyeri-Tex-Mex-pink cushion-bright red fruit-white fl.
 12 magnanima-globosa-usually clustering-axils woolly-good-
 21 metacantha-W. Tex-tubercles milky-angled-hardy species-
 20 polytele-Mex-cylindrical-dark green-white woolly-rare-1.00, 1.50
 42 parkinsonii-Mex-white apined-most attractive-woolly-
 60 elegans-Mex-white apined-woolly-rare and beautiful-
 81 glauca-Mex-medium clustering-covered with white plumy spines-
 flowers white-red lined-lavender plants 50, 1.00, 1.50
 83 multiceps-Tex-Mex-forms large clumps of small plants-
 87 lasiocantha-W. Tex-small, white, globose-flowers pink-plants
 110 wildii-Mex-small growing-yellow-green-multiples fast-
 131 microcarpa-Utah to Mex-hooked apines-flower rose purple-
 132 willeri-Ariz-hooked apines, dark-l. pink to purple-red fruit-20, 35

SUBTILIS V. EPITHYLLARIA

- Mostly climbers, night blooming, much branched, spinose,
 usually first, often thin 9 genera.
 1 Eysenckia truncata-Brazil-crop cactus-joints dark glossy green
 with 2 prominent teeth at apex-cultivated since 1818-very
 beautiful-many hybrids-cuts for grafting 15¢-Grafted specimen 75¢
 3 Schlumbergera-gertneri-Brazil-joints usually flattened-sometimes
 strongly angled-red flowers-tunnel shaped-april-very fine-cuts
 4 Epiphyllum oxypetalum-latin-America-Mexico-Tropics-branches flat, thin,
 deeply crenate-fl. large-fragrant, white. Cuts for grafting 25¢
 If you are not acquainted with cacti by their scientific names
 we will be pleased to assist in making selections of attractive
 varied types. Directions included for ideal cactus soil mixture
 10 bowl size plants-our natives-named-all different-most of
 10 bowl size plants-cultivated species-all different-named-
 as unusual offer-
 10 rare seedlings-all different-named-fascinating miniatures
 from all over the world-
 \$2.00 postpaid

- For Rock Gardens, Landscaping and Display Plants we recommend
 large sizes of the following cacti:-
 0. leptocaulis Echinochloa dubia
 0. imbricata " triglochistatus
 0. linguiformis Hamatocactus setispinus
 0. lindheimeri Tenocactus wislizeni
 0. flos-indica " acanthodes
 0. eritreae " Hamatocanthus
 0. macdonaldii Germagies, gigantes

- Also the following desert plants, popularly used in combination
 with cacti, which are invaluable for obtaining immediate effect
 in planting.
 Agave americana-15, 25, 75, 1.50 up
 " variegata 25, 75, 2.50 up
 M. lechuguilla-dark green, light
 " stripes-hardy-25 to 1.50 -
 " large growing fiber plant
 from Mexico-named 50, 1.00, 2.50
 Hesperaloe engelmannii-Texas
 " named "Coral Yucca" 35, 75
 Hechtia texana-Mex.-tremeloid-hardy
 turns bright red for Fall
 Winter and Spring - a most
 popular plant-50, 1.00, 2.50
 Euphorbia polyantha apylla-
 hardy, slender stems-
 Euphorbia jatropha perlatieri
 large tuber, red bloom, 10, 25
 Yucca texana-most graceful
 for rock gardens, 35, 75, 1.50, 2.50
 Yucca texana-splendens-ocotillo-75
 Yucca treculiana-Spanish dagger-
 Yucca tenuistylis-snowy form of
 Bear grass-hardy-75, 1.50
 Dracena-for immediate effect and
 Spanish atmosphere-75, 1.50, 2.50
 Manfreda variegata-small spotted
 desert succulent-10
 Manfreda var. gigantea-Mex. large
 purple to red-grown 35, 50

SELECTED SUCCULENTS.

Mostly African-the smaller sizes-recommended for house plant-ing in miniature desert gardens, combination bowls--larger ones as plant curios adding variety to collections of rare plants. Saucers of 12 and 14 inch pots are excellent for miniature desert gardens.

Agave decipiens-house plant-urns	Haworthia cymbiformis-attractive
good-Plants 25,50,75, 1.00	miniature-dish garden- 15,25,35
" victoria regina-Mex-hardy-most	" margaretifera-white dots- 20,35
attractive white markings S.15	" coarctata- 20,35
S.25,50- Plants 1.00,1.50,2.50	Hechtia argentea-silvered-- S.15,25
	" roseana-bright green- S.15,25
Aloes assorted-many species-15,25	Kleinia articulata- 15,25
Aloe longistyla Seedlings(later)	Sempervivum sp. cobweb house leek-20
" picta-Afr-white markings-S.10	Asclepiadaceae-Africa-star shaped
" pretoriensis-gray blue- S.25	flowers-odd forms-illustrated in
" variegata-"Pheasant's Breast"	Catalog by Stapelia.
rare and a beauty-S.25,50,75	Caralluma lutea S.35 C. europaea S.20
Plants 1.50, 2.50	" leendertziae S.25 C. ramosa S.20
" vera hybrid-soft gray green-	" nebrownii S.25
very quick growing-10,25,50	" pseudo-nebrownii S. 35,50
" distans-rare,different-showy-	Duvalia pubescens S.20
Plants 25,50,75, 1.00	" cordoroyii S.20
Echeveria elegans- Plants .20	Heurnia schneideriana 25,35,50
" pumila- Plants .20	" loesneriana S.25,35
" simulans- Plants 25,35	Heurniopsis discipiens 25,35
" sp."Little Beauty"-dwarf-.20	-Hoodia bainii-- 50,1.00
Euphorbia canariensis-One of the	" dregei- 1.00,1.50
best-cactus-like-S.25,35,50	" gordonii- 1.50,2.50
" grandicornis-one of rarest-	" macrantha- S.50
odd cut out form-75,1.00,2.50	Piarranthus foetidus 15,25
" lactea-outstanding in	
collections-sturdy tree-	Stapelia bicolor- S.20
.50,1.00,1.50,2.50	" bufoniana- 25,35
" mitriformis-good species-35,50	" gigantea-cream fl.- 15,25
" obesa-aristocrat among plant	" grandiflora- S.20
rarities-Seedlings 1.50,250 up	" hirsuta-maroon fl. 15,25
" tirucalli-pencil type-25,50 up	" variegata- 15,25
" splendens-"Crown of Thorns"-	Trichocaulon meloforme S.35,50
-- .25,50	" delaetianum S.35,50
Faucaria tigrina"Tiger Mouth"--	
-- .20,35	"S" refers to Seedlings.
Gasterias sp.odd forms--15,25,35	

STELLUS DETONIS

Mostly African-the smaller since recommended for home plant
as some regional, combination power--larger ones
plant curies adding variety to collections of rare plants. Success
of 12 and 14 inch pots are excellent for miniature desert gardens.

Agave decipiens - house plant - 1.00
Good plants 25.00, 25.00, 1.00
" victoria regina - Mex - Hardy - most
attractive white markings 2.15
2.25, 50 - plants 1.00, 1.50, 2.50
Also assorted - many species - 15.25
Also Jonatyls Seedlings (later)
" plant - all - white markings - 2.10
" gretoriania - gray blue - 2.25
" variegata - "Pheasant's Breast"
rare and a beauty - 2.25, 50, 75
Plants 1.50, 2.50
" Very Hybrid - soft gray green -
very quick growing - 10.25, 50
" distans - rare, different - showy -
Plants 25.00, 75.00, 1.00
" Hebeveria elegans - Plants 2.50
" dumila - Plants 2.50
" simulans - Plants 25.25
" sp. "Little Beauty" - dwarf - 2.50
" Euphorbia canariensis - One of the
best - coral-like - 2.25, 25.50
" grandicornis - one of rarest -
off out out form - 75.1.00, 2.50
" laces - outstanding in
collection - sturdy tree -
2.50, 1.00, 1.50, 2.50
" mitriformis - good species - 35.50
" obsa - aristocrat among plant
varieties - Seedlings 1.50, 2.50 up
" tirucalli - pencil type - 25.50 up
" splendens - "Crown of Thorns" -
2.50, 50
" Hancaria signata - "Tiger Mouth" -
2.20, 35
" Zosteria sp. odd forms - 15.25, 35
" refers to Seedlings.

[illegible]

Also the following desert plants, popularly used in combination with cedar, which are invaluable for obtaining immediate effect in planting.

Large tuber, red bloom, 10, 25
Euphorbia jatropha perianth
herb, slender stems - 25
Euphorbia polyantha spyllis -
popular plant - 50, 1.00, 2.50
Winter and Spring - a most
turns bright red for Fall,
Hechtia texana-Mex. Bromeliad-hardy
named "Coral Yucca" - 35, 75
Hesperaloe angustifolia-Texas
from Matamoros 50, 1.00, 2.50
"Ixtle" large growing fiber plant
stripes-hardy- 25 to 1.50 -
E. lechuguilla-dark green, light
" variegata 25, 75, 2.50 up
Agave americana - 15, 25, 75, 1.50 up

SHINER CACTUS NURSERY-- a center of unusual interest for all tourists through Laredo, - "The Gateway to Mexico".

The Laredo Chamber of Commerce and the leading hotels direct all tourists to this nursery as a show place of general interest and distinct educational value.

Cacti are planted under greenhouse, slathouse, half shade and full outside conditions. We have species which are suited to all of the many ways in which cacti can be planted and used. If our customers will tell us the type of planting they have in mind we are glad to make suggestions of species best suited for carrying out their plans.

Associated with the present world wide interest in cacti and other succulents we note a very general and most intelligent interest in the habits of these plants and their requirements of temperature, soil, watering, etc. Write us your problems along these lines, also of grafting plant infestations, etc. We are deeply concerned in your success in growing your plants. Your success is our success.

Cactus and Succulent Societies both here and in many foreign countries-Garden Clubs,-the many books being published on cacti, the splendid magazines devoted to cacti and succulents, the thousands of fanciers who are raising cacti from seed,-the rapidly growing collections in our big Botanical Gardens, and the constantly increasing numbers of inquiries we receive about these fascinating plants-- all these point towards this phase of plant culture as one which has come to stay.

As a health and enthusiasm producing hobby it cannot be surpassed. It is one which may be given only occasional moments or again may become so interesting as to become all absorbing.

The raising of cacti from seed, though slow, is most fascinating. To those interested we can furnish list of fresh seeds and instructions for their propagation. We have several hundred flats of the world's rarest species growing from imported seeds.

The following quotations are from a few of letters received:

"All of the plants you sent me have done well, most of them are growing actively and the following have bloomed--All of my cacti are out in full sun, in the southern exposure of my rock garden, the pots in many cases being plunged in the soil". Prof. L.B. University of Cincinnati.

"I want to tell you that the shipment of cacti received from you was the finest lot of cacti that I ever unpacked. Thank you again for the fine way you have filled my orders". C.C.B. Omaha, Nebraska.

"I am trying to collect plants that are odd and pretty and you have been helpful both with plants and suggestions. Will be anxiously awaiting my order as it is like opening a prize package". Mrs. M. L. H. Greenville, S.C.

"Received your wonderful collection of cactus. Was very much pleased with them also the way they were packed. You may use my name as reference if you so desire." W.C. Jefferson Park Station, Chicago.

"I think you have done a fine thing to segregate your listings according to an accepted classification. I wish others would do the same. It would help add to general information very greatly".

Ethel Bailey Higgins, San Diego, Calif.

"I also got your new catalog which is certainly a credit to your establishment. Thanks for your courteous treatment. I hope some day to pay you a visit". J.R.B. Hobbs, New Mexico.

"May we take this opportunity to congratulate you on the most attractive and enlarged catalog which you have gotten out and which we have just received. The illustrations are simply fascinating, and without doubt will have a great appeal to the increasing numbers of cactus enthusiasts". S.A. The Macmillan Company, New York City.

"I have to thank you for your generosity in filling my order for plants. They were five weeks en route and even the small seedling of *Myrtillocactus geometrizans* arrived in excellent condition; while the larger plants were practically just as taken from the soil". Prof. E.S.G. Cawthron Institute of Scientific Research, Nelson, New Zealand.---

SHINER CACTUS NURSERY -- a center of unusual interest for all tourists through Jarezo, - "The Gateway to Mexico".

The Jarezo Chamber of Commerce and the leading hotels direct all tourists to this nursery as a show place of general interest and distinct educational value.

Cacti are planted under greenhouse, alathouse, half shade and full outside conditions. We have species which are suited to all of the many ways in which cacti can be planted and used. If our customers will tell us the type of planting they have in mind we are glad to make suggestions of species best suited for carrying out their plans.

Associated with the present world wide interest in cacti and other succulents we note a very general and most intelligent interest in the habits of these plants and their requirements of temperature, soil, watering, etc. Write us your problems along these lines, also of grafting plant infestations, etc. We are deeply concerned in your success in growing your plants. Your success is our success.

Cactus and Succulent Societies both here and in many foreign countries-Garden Clubs-the many books being published on cacti, the splendid magazines devoted to cacti and succulents, the thousands of fanciers who are raising cacti from seed-the rapidly growing collections in our big Botanical Gardens, and the constantly increasing numbers of inquiries we receive about these fascinating plants--all these point towards this phase of plant culture as one which has come to stay.

As a health and enthusiasm producing hobby it cannot be surpassed. It is one which may be given only occasional moments or again may become so interesting as to become all absorbing.

The raising of cacti from seed, though slow, is most fascinating. To those interested we can furnish list of fresh seeds and instructions for their propagation. We have several hundred flats of the world's rarest species growing from imported seeds.

The following quotations are from a few of letters received:

"All of the plants you sent me have done well, most of them are growing actively and the following have bloomed--All of my cacti are out in full sun, in the southern exposure of my rock garden, the pots in many cases being plunged in the soil". Prof. L.B. University of Cincinnati.

"I want to tell you that the shipment of cacti received from you was the finest lot of cacti that I ever unpacked. Thank you again for the fine way you have filled my orders". C.C.B. Omaha, Nebraska.

"I am trying to collect plants that are odd and pretty and you have been helpful both with plants and suggestions. Will be anxiously awaiting my order as it is like opening a prize package". Mrs. M.L.H. Greenville, S.C.

"Received your wonderful collection of cactus. Was very much pleased with them also the way they were packed. You may use my name as reference if you so desire". W.C. Jefferson Park Station, Chicago.

"I think you have done a fine thing to segregate your listings according to an accepted classification. I wish others would do the same. It would help add to general information very greatly". Ethel Bailey Higgins, San Diego, Calif.

"I also got your new catalog which is certainly a credit to your establishment. Thanks for your courteous treatment. I hope some day to pay you a visit". J.R.B. Hobbs, New Mexico.

"May we take this opportunity to congratulate you on the most attractive and enlarged catalog which you have gotten out and which we have just received. The illustrations are simply fascinating, and without doubt will have a great appeal to the increasing numbers of cactus enthusiasts". S.A. The Macmillan Company, New York City.

"I have to thank you for your generosity in filling my order for plants. They were five weeks en route and even the small seedling of Mytillococcus geometrizans arrived in excellent condition while the larger plants were practically just as taken from the soil". Prof. E.S.G. Cawthron Institute of Scientific Research, Nelson, New Zealand.

ANNOUNCING TO CACTUS COLLECTORS - PLANTING SEASON 1933.

Fresh Seeds of Rare Species.

		Seeds-	Price
Platyopuntia microdasys-	Mex. - gold velvety glochids----	50	15
" pilifera - - -	" - soft white hairs	50	15
" leucotricha - -	" - hardy attractive species	50	15
Cephalocereus senilis -	" "Old Man" long white haired	50	25
" macrocephalus	" stout growing- long haired	50	30
" chrysacanthus	" yellow spined- long haired	50	25
" palmeri	" soft white haired wanted species	50	30
Pachycereus tetetzo	" stout quick growing white spine	50	20
" marginatus	" "organo" favorite -short spined	50	20
Peniocereus greggii	" real desert Night Bloom.Cer.rare	25	20
Lemaireocereus chichipe	" seedlings blue - - - - -	50	20
" weberi	" candelabrum giant many branched	50	20
" thurberi	" Ariz. Pipe Organ" becoming rare	50	20
Wilcoxia poselgeri-	Tex-Mex.- a giant cereus in miniature-	50	10
Acanthocereus pentagonus-	Gulf of Mexico- night bloomer --	50	10
Harrisia martinii-	South America- climbing " "	50	10
" bonplandii " "	- fine large flowers	50	15
Myrtillocactus geometrizans-	Mexico-beautiful-blue-tall----	50	20
Lophocereus schottii-	Ariz. L.Calif.- rare cereus- odd S.-	50	20
Selenicereus vagans-	Mexico.-slender climbing N.B.C. fine-	50	15
Echinocereus delaeti-	" -most sought after-long haired-	50	25
" papillosus-Tex-Mex.	rare-yellow flowered-----	50	15
" berlandieri-" "	graceful slender fingers-----	50	10
Myrtillocactus geometrizans-	Mex.- beautiful blue- tall----	50	20
Lophocereus schottii-	Ariz. L. Calif. rare cereus-odd S.---	50	20
Selenicereus vagans -	Mex.-slender climbing N.B.C.- fine----	50	15
Echinocereus delaeti-	" -most sought after- long haired---	50	25
" papillosus-Tex-Mex.-	rare yellow flowered-----	50	15
" berlandieri-" "	- graceful slender fingers-----	50	10
" reichenbachii -			
" var. caespitosus-Tex.-	white lace--pink blooms-----	50	10
" rigidissimus-Ariz.	true rainbow-good growing-----	50	15
" fitchii--Tex-Mex.-	red brown spines-pink flowers---	50	10
" dubius- " "	-forms large clumps-rose purple fl.	50	10
" conglomeratus " "	-silvery spined clumps--rare----	50	20
Ariocarpus fissuratus-Tex-Mex-	"Living Rock" unusual plant-pink-fl	50	20
Lophophora williamsii-	" " peyote- celebrated- odd	50	20
Ephithelantha micromeris-	Tex-Mex-close spined white button	50	15
Hamatocactus setispinus	" " -- yellow and red flowered-	50	10
Ferocactus pringlei--	Mex.-rare-all spines red- handsome-	50	15
" wislizeni-Western-	large-tall growing "barrel"---	50	10
" hamatacanthus-Tex-Mex.-	quick -free-flowering-----	50	10
" brittonii davisii-Tex-Mex.-	longihamatus good hardy sp.	50	10
" glaucescens-Mex-	attractive yellow spined- quick -	50	15
Echinocactus grusonii-	" -large growing- golden spines-----	50	20
" ingens- -"	-giant species- - - - -	50	10
" horizonthalonius-Tex-Mex-	gray-pink flowered-----	50	15
Homalocephala texensis-Tex-Mex-	sure growing-feathery flower-	50	10
Astrophytum myriostigma-Mex.-	"Bishop's Hood"- rare- fine----	50	25
" asterias-- -"	"Sea Urchin" - very odd -----	50	20
" capricorne- "	odd form-curved ribs-tall growing	50	20
" ornatum--Mex.-	unusual markings and spines--quick	50	20
Cactus intortus-Porto Rico-	very rare-"Turk's Cap" redspined	50	10
Ancistrocactus scheerii-	Tex-Mex.-attractive fish hook-----	50	10
Thelocactus bicolor- -	" " -two-toned- rose flowers--	50	10
Coryphantha runyonii -	" " -low clumping-rose flowers	50	10
" sulcata-Texas-	green clumping- yellow flowering---	50	10
" robustispina-	very rare - strong spined-----	25	20
Dolichothela sphaerica-Tex-Mex-	large yellow flowers-----	50	10
Neomammillaria heyderi-	red seeds-white flowers- 1 capsule----	--	05
" macdougalii- Ariz.-	large growing Neomam.-----	50	10
" wagnerianus var.			
" longispinus- Mexico-	new this year- - - - -	50	20
" plumosa " "	- soft plumed spines - - - - -	50	25
" multiceps -Tex-Mex.-	attractive miniature - - - - -	50	15
" microcarpa - Western	fish- hook - - - - -	50	15
" hahniana- Mexico-	rarest - long white haired - - -	50	25
Assorted Neomammillarias-	all Mexican- finest - rarest - - -	50	15
Agave victoria regina-	Mex.- distinctive white markings - -	50	20
Hechtia texana- Mexico-	hardy- rock garden plant- red - -	50	15
Assorted seeds - many varieties	- - - - -	-100	10

ANNOUNCING TO CACTUS COLLECTORS - PLANTING SEASON 1933.

Fresh Seeds of Rare Species.

Seeds - Price			
15	50	Platyopuntia microdasys - Mex.	Gold velvety glochids
15	50	"	soft white hairs
15	50	"	hairy attractive species
25	50	"	"Old Man" long white haired
30	50	"	stout growing - long haired
25	50	"	yellow spined - long haired
30	50	"	soft white haired wanted species
30	50	"	stout quick growing white spine
30	50	"	"organo" favorite - short spined
30	50	"	real desert Night Bloom. Ger. rare
30	50	"	seedlings fine
30	50	"	candelabrum giant many branched
30	50	"	Ariz. Pipe Organ" becoming rare
10	50	Wilcoxia poselgeri - Tex-Mex.	a giant cereus in miniature
10	50	Acanthocereus pentagonus - Gulf of Mexico	night bloomer
10	50	Harrisia martinii - South America	climbing
15	50	"	bonplandii
30	50	Mytillocactus geometrizans - Mexico	beautiful blue-tail
30	50	Lophocereus schottii - Ariz. L. Calif.	rare cereus - odd S.
15	50	Selenicereus vagans - Mexico	slender climbing N.B.C. fine
25	50	Echinocereus delfeii	most sought after - long haired
15	50	"	capillans - Tex-Mex.
10	50	"	parlandieri
30	50	Mytillocactus geometrizans - Mex.	beautiful blue-tail
30	50	Lophocereus schottii - Ariz. L. Calif.	rare cereus - odd S.
15	50	Selenicereus vagans - Mex.	slender climbing N.B.C. fine
25	50	Echinocereus delfeii	most sought after - long haired
15	50	"	capillans - Tex-Mex.
10	50	"	parlandieri
10	50	"	reichensbachii
15	50	var. cespitosus - Tex.	white face - pink blooms
15	50	rigidissimus - Ariz.	true rainbow good growing
10	50	trichitis - Tex-Mex.	red brown spines pink flowers
10	50	"	long large club - rose purple fl.
30	50	"	conglomeratus
30	50	Aricarpus fissuratus - Tex-Mex.	Living Rock" unusual plant - pink-fl.
30	50	Lophophora williamsii	peyote - celebrated - odd
15	50	Ephthalanthus micromeris - Tex-Mex.	close spined white button
10	50	Hamatocactus setispinus	yellow and red flowered
15	50	Ereocactus pinnatifidus - Mex.	rare - all spines red - handsome
10	50	"	wislizeni - Western - large-tail growing "barrel"
10	50	Hamatocactus - Tex-Mex.	quick - free-flowering
10	50	brittonii - Tex-Mex.	long hamatus good hardy sp.
15	50	"	glaucescens - Mex.
30	50	Echinocactus grisonii	large growing - golden spines
10	50	"	ingenus
15	50	horizontalis - Tex-Mex.	gray - pink flowered
10	50	Homaloecephala texensis - Tex-Mex.	sure growing - feathery flower
25	50	Astrophytum myrtilloides - Mex.	"Bishop's Hood" - rare - fine
30	50	"	"See Uchin" - very odd
30	50	"	capricornus
30	50	"	ornatum - Mex.
10	50	Cactus intortus - Porto Rico	very rare - "Turk's Cap" redspined
10	50	Anastrotocactus schottii - Tex-Mex.	attractive fish hook
10	50	Thelocactus bicolor	two-toned - rose flowers
10	50	Corphanthus ruyonii	low climbing - rose flowers
10	50	"	ulista - Texas - green clumping - yellow flowering
30	50	"	robustispinus - very rare - strong spined
10	50	Dolichotela sphaerica - Tex-Mex.	large yellow flowers
05	50	Neomammillaria heyderi - red seeds - white flowers - 1 capsule	
10	50	macdougalii - Ariz.	large growing Neomam.
30	50	wagnerianus var.	
25	50	longispinus - Mexico	new this year
15	50	"	soft plumed spines
15	50	multiceps - Tex-Mex.	attractive miniature
15	50	microcypa - Western	fish hook
25	50	balmainiana - Mexico	rarest - long white haired
15	50	Neomammillaria - all Mexican	finest - rarest
30	50	Agave victoriae reginae - Mex.	distinctive white markings
15	50	Hechtia texana - Mexico	hardy - rock garden plant - red
10	100	Associated seeds - many varieties	